



## PATENT ABSTRACTS OF JAPAN

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(54) **FITTING DETECTING CONNECTOR**

housing 11 can be lowered in height.

## (57) Abstract:

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**PROBLEM TO BE SOLVED:** To lower a connector height by forming a window hole in a wall part of a holder positioned outside a deformation side end part of a lock arm in its deformation direction to secure a bending space.

**SOLUTION:** When a male and a female housings 1, 11 are fitted with each other, a lock pawl 22 side of a lock arm 20 runs up onto a lock projecting part 7 and rises into a bending space 62 formed in a spring holder 25 so as to be locked to a constraining wall 39. Accordingly, because backward movement of the holder 25 is restricted, a coil spring incorporated in the holder 25 can be compressed. The holder 25 is formed with an escape groove 38 in the back-and-forth direction on its rear surface, while a window hole 61 is formed in a ceiling wall 60 of its tip side. Thereby a bending space 62 to let a tip side of the lock arm 20 free is secured. Compared with a housing which has a ceiling wall covering the bending space, a height of the spring holder 25 can be lowered by a thickness of the ceiling wall covering the bending space so that this female

